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(21) International Application Number: PCT/US99/13267 (22) International Filing Date: 11 June 1999 (11.06.99) (30) Priority Data: 60/088,980 11 June 1998 (11.06.98) US <i>11 Dec 00/30 may</i> (71) Applicant (for all designated States except US): THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA [US/US]; Suite 300, 3700 Market Street, Philadelphia, PA 19104 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): WEINER, David, B. [US/US]; 717 Beacom Lane, Merion Station, PA 19066 (US). CHATTERGOON, Michael, A. [GB/US]; Apartment C203, 4300 Spruce Street, Philadelphia, PA 19104 (US). BOYER, Jean, D. [US/US]; 215 Woodlane Avenue, Haddonfield, NJ 08033 (US). (74) Agents: MACKIEWICZ, John, J. et al.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (US).		(81) Designated States: AU, CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: METHODS AND COMPOSITIONS FOR DELIVERING PROTEINS TO MACROPHAGE CELLS AND CELLS OF MACROPHAGE DERIVED LINEAGE (57) Abstract <p>Methods of delivering a protein to a macrophage cell and/or a cell of macrophage derived lineage of an individual are disclosed. The method comprises the step of administering to the individual at a site on the individual's body, a DNA molecule that comprises a nucleotide sequence that encodes the protein operably linked to a promoter that is functional in a macrophage cell and/or a cell of macrophage derived lineage and a polyadenylation signal that is functional in a macrophage cell and/or a cell of macrophage derived lineage. Methods of delivering proteins to lymphnodes of an individual are also disclosed. Methods of inducing an immune response against an immunogen in an individual are disclosed. Methods of modulating an individual's immune system are also disclosed.</p>		